

Title (en)
Dust dispensing system

Title (de)
Staubaustragssystem

Title (fr)
Système de distribution de poussière

Publication
EP 1731749 A1 20061213 (DE)

Application
EP 06115030 A 20060606

Priority
DE 102005026811 A 20050609

Abstract (en)
The engine has an air filter system with a solid particle discharge opening (7) in a flow direction before filter units (9). An exhaust arrangement has a fan propeller frame (27) and a fan propeller (28) that is arranged in the frame for producing cooling air stream. The opening is connected with a suction side of the propeller such that the solid particle collected in the system is sucked off through low pressure of the propeller. An independent claim is also included for a method of discharging solid particles from an air filter system of an internal combustion engine.

IPC 8 full level
F02M 35/08 (2006.01)

CPC (source: EP)
B01D 45/18 (2013.01); **F02M 35/08** (2013.01)

Citation (applicant)
US 4514193 A 19850430 - BOOTH DONALD S [US]

Citation (search report)
• [X] US 2002189572 A1 20021219 - LINSBAUER PETER [DE], et al
• [X] US 2002020295 A1 20020221 - MOREDOCK JAMES G [US]
• [X] US 5632243 A 19970527 - BUCHHOLZ BRIAN S [US]
• [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 073 (M - 463) 22 March 1986 (1986-03-22)

Cited by
EP2960483A1; EP2829716A1; US11679352B2; US10422306B2; WO2012021651A1; WO2013009490A1; WO2014210534A1; US10252206B2; US10343101B2; US11123673B2; US10427083B2; US11173442B2; US11786857B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1731749 A1 20061213; EP 1731749 B1 20140806; DE 102005026811 A1 20061214

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EP 06115030 A 20060606; DE 102005026811 A 20050609